

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-28 (canceled)

Claim 29 (withdrawn): A document comprising at least one drawing or data produced by deposition or inclusion of pigments or dyes which can be read optically, and a hologram made from a copy of said drawing or said data, wherein the hologram comprises deformations introduced during its recording which make the copy read from the drawing or from said data different.

Claim 30 (withdrawn): The document as claimed in claim 29, wherein the deformations are aberrations.

Claim 31 (withdrawn): The document as claimed in claim 29, wherein the deformations are scattering effects.

Claim 32 (withdrawn): The document as claimed in claim 29, wherein the hologram is superimposed onto at least one photosensitive layer with a coding function.

Claim 33 (withdrawn): The document as claimed in claim 32, wherein said photosensitive layer is a diffraction grating.

Claim 34 (withdrawn): The document as claimed in claim 32, wherein said photosensitive layer contains specific but not personalized data, identical for all documents of a same type.

Claim 35 (withdrawn): The document as claimed in claim 32, wherein the coding function comprises at least one of the following optical properties: colorimetry with multiple angular ranges of visibility, high-resolution visible with an additional source.

Claim 36 (withdrawn): The document as claimed in claim 32, wherein the hologram and the photosensitive layer are combined by an anti-peel bonding means.

Claim 37 (withdrawn): The document as claimed in claim 29, wherein the hologram is transparent so that data located under the hologram, on the document, can be read.

Claim 38 (withdrawn): The document as claimed in claim 29, wherein the hologram can be read only under lighting of certain wavelengths.

Claim 39 (withdrawn): The document as claimed claim 29, wherein the hologram can be read at different wavelengths from different angles.

Claim 40 (withdrawn): The document as claimed claim 29, wherein the hologram is combined with a reflector with narrow band reflectivity.

Claim 41 (withdrawn): The document as claimed in claim 29, wherein the hologram represents at least one other image appearing in a plane different to that of said deformed copy.

Claim 42 (withdrawn): The document as claimed in claim 41, wherein said at least one other image can be read at a wavelength different from that of said deformed copy.

Claim 43 (withdrawn): Document according to claim 29, wherein the hologram comprises data printed on its surface.

Claims 44-52 (canceled)

Claim 53 (withdrawn): A system for reading a document comprising a hologram containing an image of part of said document, said image being scrambled, and comprising a revealer device for correcting said scramblings, said hologram being readable through the revealer.

Claim 54 (withdrawn): The system as claimed in claim 53, further comprising a marking device configured to position the hologram to be read facing the revealer.

Claim 55 (withdrawn): The system as claimed in claim 54, further comprising lugs configured to accommodate notches from the document.

Claim 56 (withdrawn): The system as claimed in claim 53, wherein the revealer comprises optical markers configured to be made to coincide with markers of the document.

Claim 57 (new): A document security system, comprising:

a layer of photosensitive material;

an optical modulator including an image of at least part of a document and positioned near or in contact with said layer of photosensitive material, said image of at least part of the document on the optical modulator being prerecorded or formed thereon by electrical control of an electrically controllable modulator;

an optical device positioned between the optical modulator and the layer of photosensitive material and configured to image the image of at least part of the document of the optical modulator in a plane of the layer of photosensitive material;

a beam-splitter plate;

a first light source configured to emit a first wave to the beam-splitter plate, said beam-splitter plate retransmitting the first wave to the layer of photosensitive material; and

a second light source positioned on a side opposite said layer of photosensitive material with respect to said optical modulator and configured to emit a second wave that is coherent with the first wave toward the optical modulator, said second wave being modulated by the image of at least part of the document of the optical modulator and the modulated second wave being transmitted to the layer of photosensitive material through the optical device and the beam splitter plate, said modulated second wave interfering with said first wave in the layer of photosensitive material to record a hologram including the image of at least part of the document.

Claim 58 (new): The system as claimed in claim 57, further comprising a scrambling device positioned in a path of the first wave or in a path of the modulated second wave and configured to induce scrambling in the hologram recorded in the layer of photosensitive material.

Claim 59 (new): The system as claimed in claim 58, wherein the scrambling device is positioned between the first light source and the beam-splitter plate.

Claim 60 (new): The system as claimed in claim 58, wherein the scrambling device is positioned between the optical modulator and the layer of photosensitive material.

Claim 61 (new): The system as claimed in claim 57, wherein the modulated second wave is perpendicular to the plane of the layer of photosensitive material.

Claim 62 (new): The system as claimed in claim 57, wherein the first wave is perpendicular to the plane of the layer of photosensitive material.

Claim 63 (new): The system as claimed in claim 57, further comprising a spatial light modulator positioned in a different plane than that of said optical modulator and configured to record, in the hologram, an additional image in a plane different from the image of at least part of the document.

Claim 64 (new): The system as claimed in claim 63, wherein the additional image and the image of at least part of the document are recorded at one of different wavelengths or different angles of incidence of the first wave and the modulated second wave.

Claim 65 (new): The system as claimed in claim 57, wherein the first wave and the modulated second wave are plane, coherent, and collinear waves.

Claim 66 (new): The system as claimed in claim 60, wherein said scrambling device is positioned at least substantially against the layer of photosensitive material.